

Lowell's Future Course Charted by Community Leaders

Imagine a city run on solar power that utilizes a public transport system based on railways and waterways. Its businesses participate in community-wide programs aimed at environmental sustainability and renewable energy sources. And, its citizens have access to an abundant supply of affordable housing and accessible health care.

This vision of Lowell in the 2020s is just one possibility planned by about 70 community leaders in workshops spearheaded by UMass Lowell last month. This marked the first time the Denmark-developed "scenario workshop" method, in which four possible visions of Lowell in 20 years were analyzed and critiqued through a grass-roots approach, was utilized in the U. S. The project, organized by UMass Lowell's Center for Industrial Competitiveness and Center for Family, Work and Community and the Loka Institute of Amherst, was funded by the National Science Foundation and the Massachusetts Foundation

for the Humanities. years and what challenges must be overcome to achieve that vision," says David Turcotte, project manager of the Center for Family, Work and Community.

The two days of workshops, on April 9 and 30, culminated in visions that focused on economic development, education and health, cultural resources, infrastructure, and housing and transportation. Many proposals called for utilizing the Merrimack River and the city canals for economic development and energy, creating more affordable housing and jobs, and educating a new generation of citizens about conservation. They are expected to help the City of Lowell update its comprehensive master plan, a two-year process that involves planning sessions, community involvement and public hearings.

Turcotte noted that the key to the workshops was bringing together people of diverse backgrounds, from government, business and the community, to devise common goals and plans.

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▲ David Turcotte of the Center for Family, Work and Community, one of the organizers of the scenarios workshop, left, announced results of the two-day planning sessions at a press conference attended by Lowell City Councilors, from left, Armand Mercier, Mayor Rita Mercier, Edward Caulfield and Rithy Uong.

for the Humanities.

"This created an opportunity for people to start thinking outside the box and envisioning what Lowell should look like in 20

Paikowsky's Data Contributes to Quest for International Code

Want to build a house? The first thing you do is dig a hole in the ground, install some forms and pour cement. Now you've got a foundation.

Want to put up an office building? Dig a larger hole. Pour more cement. Bingo—a really big foundation.

Could anything be easier than that? Well, yes. Apparently it's a lot more complicated than it seems.

The development of an international unified code for the design of foundations was the topic of a conference that attracted some 400 consultants, academics and members of

various government agencies to Kamakura, Japan last month.

A keynote speaker at the event, sponsored by the Japanese Geotechnical Society, was Prof. Samuel Paikowsky of the Civil and Environmental Engineering Department. In his presentation, "Load and Resistance Factor Design for Deep Foundations," Paikowsky described the research he has been conducting on this subject for the last eight years.

The building of foundations is not, of course, as simple as digging a hole in the ground. There are many factors—such as the nature of the subsurface, the loads to be placed on

the superstructure, and the design and construction methods—that must be factored into construction decisions.

"We here at the University are leading the writing of the code in the United States, and there's international interest in what we're doing," Paikowsky says.

Countries around the world have been striving for some time to develop a unified code, which would make it easier for companies in one country to bid and work on projects in another. But while they are all trying to develop a unified code,

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University Partners with Lowell Folk Festival

When the 16th Annual Lowell Folk Festival fires up its sound systems and grills this July and tens of thousands of people fill the streets in Lowell's historic district downtown, there will be a new festival partner helping to present the show: UMass Lowell.

Ken Lemanski, assistant to the provost, joined Lowell National Historical Park Superintendent Pat McCrary and Lowell Festival Foundation Executive Director Janet Leggat to announce the University's participation.

Speaking on behalf of Chancellor Hogan, Lemanski says, "We're pleased to be playing a leadership role in the festival, which is the city's most high profile cultural event. Activities such as the festival bring a social vitality to the community and add to the quality of life. Today, we're extending our already productive partnership with both the City and Park Service, and look forward to the growing success of the festival."

Set for July 26 through July 28, the Lowell Folk Festival is billed as the nation's largest free folk festival. This year will feature the familiar mix of traditional music and dance, including blues singer Shemekia Copeland, Irish super-group Danú, Quebecois band Entourloupe, Bob French's Tuxedo Jazz Band of New Orleans, Cajun dance band Chari-vari, bluegrass and country band the Dismembered Tennesseans, Cowboy poet Glen Ohrlin, Puerto Rican salsa band Los Pleneros del Coco of Worcester, Texas honky-tonk country singer Dale Watson, and the Silverleaf Gospel Singers of Roxbury.

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Take Note

Diversity and Pluralism Members Tackle Three Major Themes

Three principle themes—a reflection on past accomplishments, a vision of the next five years, and the beginning of an action plan—were the focus of discussion at the annual planning retreat for the UMass Lowell Council on Diversity and Pluralism, which took place May 28 at the BU Corporate Education Center in Tyngsboro.

With the retirement of the Center's director, Dr. Lan T. Pho, as well as campus reorganization and recent budget cuts—according to an advance announcement about the retreat—"we are facing unexpected challenges and opportunities [this year]. The planning retreat will play a critical role in defining our future direction."

NOVA Editor is Speaker at Physics Banquet

Evan Hadingham, senior science editor of NOVA, the award-winning PBS documentary series, was guest speaker at this year's Society of Physics Students/Graduate Physics Association (SPS/GPA) dinner, held Wednesday, May 1, in Alumni Hall.

Hadingham, whose role at NOVA is to evaluate program ideas and help manage the editorial content of the series, was heavily involved in the research that led to NOVA's acclaimed documentary "Mysterious Mummies of China." He is also the author of numerous articles and books on archaeology and prehistory.

Endowment for Southeast Asian Studies Established

The Indochinese Refugee Foundation (IRF) has announced that it is establishing an endowment fund at UMass Lowell to promote Southeast Asian studies. The endowment will be used to educate the public about the experiences of refugees and immigrants who fled their homelands at the end of the Vietnam War.

The foundation came into being in 1975 to assist in the resettlement of immigrants from the former French Indochina (Cambodia, Laos and Vietnam). Lan Pho, outgoing director of the Center for Diversity and Pluralism and president of the IRF board, said that the money, just more than \$50,000, will be used to support new courses and research projects.

In addition, the foundation is donating all of the documentation collected by IRF in the process of refugee resettlement in Greater Lowell. According to Anne Lowenthal of University Advancement, these materials are a rich resource about the lives of this population. They will be archived at the Center for Lowell History in the Mogan Cultural Center.

A three-member board comprised of two faculty members from the social sciences and a member of the IRF board will be established to oversee the endowment. Prof. Nick Minton, chair of political science, is assisting in the formation of the committee. The University Advancement Office will coordinate the administrative functions.

After the Vietnam War, the population of Lowell changed dramatically, as tens of thousands of immigrants

from Southeast Asia began moving to the city. The sudden influx was unexpected, and many of these newcomers faced the struggle of adapting to a new environment without an existing support network.

While the federal government had some money to assist the initial families in settling in Lowell, there was little institutional follow up. As a result, a small group of concerned citizens, many of them immigrants from an earlier era, came together to form IRF to assist the population on issues like housing and employment.

IRF received significant support from Gov. and Mrs. Dukakis. Dean Jacqui Moloney, of Continuing Studies and Corporate Education, served as the foundation's first executive director.

Over the years, other organizations designed to serve specific segments of this community, like the Cambodian Mutual Assistance Association, began taking on these functions. So, IRF assumed a different role as a provider of information on social services and cultural activities. It has been largely inactive in the past decade.

Now, the board believes it can best serve the community by establishing the endowment. The IRF board of directors is comprised of Pho, the late Walter Mode, vice president, Ms. Suy Sinh Law, treasurer, Phan Thi Ngoc Chan, general secretary, and Hai B. Pho, activity coordinator and professor of political science at UMass Lowell.

Campus Volunteers Help With Riverbank Cleanup

Two dozen UMass Lowell students spent the morning of Saturday, May 5 collecting litter, trash, cut brush, and even a purple bowling ball from the banks of the Merrimack River around the University Avenue bridge on North Campus. They joined a larger crew of helpers from the Pawtucketville and Centralville neighborhoods and students from Greater Lowell Technical High School who were out in force for a citywide cleanup that coincided with the Great American Cleanup sponsored nationally by the Keep American Beautiful organization.

Assistant football Coach Corey Wenger and 15 of his football players along with members of the Phi Sigma Rho sorority and Delta Kappa Phi fraternity fanned out along the banks on both sides of the bridge with rakes, shovels and plenty of trash bags.

"We want the community to know we're here, and we also want to have roots," explained Wenger to a Sun reporter.

"You always think someone should do something, and this opportunity came up," said freshman football player Jim Dineen.

The Office of Communications and Marketing helped organize the cleanup on the river's north bank in collaboration with the Lowell Plan Inc., City of Lowell, Keep Lowell

Beautiful Inc., Lowell Parks and Conservation Trust, Pawtucketville Citizens Council, Centralville Neighborhood Partnership, Mogan Cultural Center, Lowell Heritage Partnership, Spindle City Corps, Mass. Dept. of Environmental Mgt., and Mass. Highway Dept.



▲ Campus volunteers hauled out dozens of bags filled with trash.



▲ Michelle Watson, Carla McKnight and Lindsay Patterson of Phi Sigma Rho.



▲ Kelvin Juarbe and Chris Rooney of the UMass Lowell football team.



▲ Craig Delmonte of Delta Kappa Phi with Kelly Shepard and Colleen Flynn of Phi Sigma Rho.

Design Project Features Mousetrap-Powered Toy Cars



▲ Andrew Wallace, left, and Keith Gannon won the contest in Prof. Bob Tuholski's Engineering Design and Graphics course recently when the mousetrap-powered toy car they're holding traveled 47-1/2 feet down a hallway in Kitson Hall. The design-project competition required that the cars weigh no more than a pound, fit into a one-cubic-foot box, and travel at least 30 feet. The class is required in the Mechanical Engineering Technology program offered through Continuing Studies and Corporate Education.

University Prepares for Ten-Year Accreditation Process

The entire UMass Lowell community will turn some attention inward in the coming year, as the University prepares for its ten-year accreditation inspection by the New England Association of Schools and Colleges (NEASC). Between now and October, 2003, when the independent auditors arrive on campus for the final look, members of the faculty, staff and student body will be drafting reports on every facet of life at UMass Lowell.

While the University has never failed to gain accreditation, the stakes are high.

"A lot is riding on the positive review of our accreditation," says Ken Lemanski, special assistant to the provost and a member of the accreditation steering committee. "We have to measure up with these standards."



▲ Ken Lemanski



▲ Jan Stecchi

A college or university not accredited by the regional authority risks losing its federal financial aid, research grants, and the accreditation of individual departments—not to mention its appeal to prospective students.

The main project for UMass Lowell in the next year will be drafting a "self-study report," a 200-page document that will serve as a guidebook for the auditors' inspection visit next October. In preparing the report, the University has formed twelve committees—one for each of the 11 standards under examination by NEASC—each reporting to a steering committee.

The entire self-study committee held its first meeting on May 22. From then on, the groups will conduct their research independently, examining each category in terms of the University's declared mission. In fact, the mission warrants a category in itself, consisting of Provost Robert Wagner, Fred Sperounis, vice chancellor for University Relations Development, Prof. Mario Aste, chair of the Language dept., Prof. Bob Parkin, Mechanical Engineering, and Prof. John Wooding, chairman of Regional Economic and Social Development.

While the committees will be digging deep into every area of campus life for their research, the process shouldn't cause any disruption in the University's everyday operations.

"This campus is so carefully managed," says Jan Stecchi, dean of the College of Health Professions and a member of the steering committee. "These things have all been very carefully thought out."

Since the last university accreditation, most of the departments have undergone an accreditation process within their fields, conducted by peers from other institutions. Dean Stecchi herself has served on a national review panel for nursing programs.

The self-study committees and their members are:

Steering Committee: Jan Stecchi, dean of the College of Health Professions, Susan Goodwin, vice chancellor for Administration and Finance, Robert Wagner, Provost, Fred Sperounis, vice chancellor for University Relations and Development, Ken Lemanski, special assistant to the provost, Joyce Gibson, co-director of the Center for

Family, Work and Community, and Rosalyn Lankowski, student trustee.

Planning and Evaluation: Prof. Melissa Pennell, english, Janet Sawyer, associate director for Academic Assessment, Prof. Nina Coppens, psychology, Prof. Alease Bruce, health and clinical sciences, and Robert Tamarin, dean of sciences in the College of Arts and Sciences;

Organization and Governance: Assoc. Prof. Bill Mass, Regional Economic and Social Development, Prof. Nick Minton, chair, political science, Prof. Susan O'Sullivan, physical therapy, Prof. Arthur Watterson, chemistry, and Prof. Charles Levenstein, Work Environment;

Programs and Instruction: Prof. Arthur Mittler, physics, Prof. Susan Braunhaut, biological sciences, Assoc. Prof. Stephanie Chalupka, nursing, Assoc. Prof. Marlowe Miller, english. Mary Beaudry, director of the Faculty Teaching Center, Assoc. Prof. Connie Seymour, Physical Therapy, Janin Duran, Heather Madrugá.

Faculty: Don Pierson, dean, Graduate School of Education, Prof. Jim Coates, Chair, art, Prof. Charles Thompson, accounting, Prof. Karen Melillo, nursing, Prof. Stephen McCarthy, plastics engineering.

Student Services: Tom Taylor, assistant dean of students, Larry Siegel, director of Residence Life, Assoc. Prof. Julie Chen, mechanical engineering, Sheila Riley-Callahan, director of Academic Services in the Centers for Learning, Pauline Carroll, director of Enrollment Management, Assoc. Prof. Claire Chamberlain, physical therapy, Derek Costa, Ryan Delaney.

Library and Information

Resources: Patricia Noreau, head of the Division of Technical Services, Jeff Thompson, chief information officer in the Chancellor's Office, Krishna Vedula, dean, Francis College of Engineering, Prof. Arnold O'Brien, Chair, Environmental Health and Atmospheric Sciences, Prof. Ruth Tanner, chemistry, Assoc. Prof. Duncan LaBay, director of graduate programs in the College of Management.

Physical Resources: Prof. Liana Cheney, history, Diana Prideaux-Brune, special assistant in the Office of Economic Development, Dana Skinner, director of athletics, Kathy Verreault, dean of the College of Management, Rebecca Burnham, John Harrison.

Financial Resources: Prof. William Phelan, Graduate School of Education, Louis Petrovic, director of External Funding, Technology Transfer and Partnering, Daniel Brosnan, budget director in the Office of Administration and Finance, John Perroni, assistant comptroller, Prof. Clairmont Carter, accounting, Prof. Charles Carroll, Chair, history.

Public Disclosure: Anne Marie Hurley, Assoc. Prof., mathematical sciences, Chris Dunlap, director of Communications and Marketing, Pat Duff, associate director of Graduate Services, Millicent Kalaf, director of Institutional Research, Jacquie Moloney, dean of Continuing Studies and Corporate Education, Prof. May Futrell, nursing.

Integrity: Prof. Raphael Moure-Eraso, co-director of the Public Health Engineering and Public Policy Initiative, Prof. Steve Pennell, mathematical sciences, Prof. Barbara Cocanour, physical therapy, Prof. Aram Karakashian, physics, Prof. Eugene Mellican, philosophy.

School Aquaculture Project Makes "Splash" in Massachusetts, Teacher Receives Two Awards

Project Splash, an initiative of the Center for Family, Work and Community (CFWC) and Department of Mechanical Engineering that teaches students how to care for and breed tilapia fish to eventually provide a food and income source for families, has been receiving attention state-wide for innovative use of science and technology with children.

John King, a math and science teacher at the Rogers Middle School in Lowell, has been recognized for his role in facilitating the Project Splash with two awards, the "2002 Secretary of Environmental Affairs Award for Excellence in Environmental Education" presented by Secretary Bob Durand and the "Above and Beyond Award" from the Massachusetts Software & Internet Council Education Foundation.

Currently, more than 100 students are involved in Project Splash between the Rogers Middle School in Lowell and the Lowell Housing Authority-doubling the number of students involved since the project began this fall. The students are diverse in age and background, ranging from 8 to 18 and representing many of Lowell's immigrant populations—Southeast Asian, Latino, Brazilian, and Portuguese.

"The program is really making a difference with the kids," says Cheryl West, the CFWC program coordinator, describing a student who had been held back two years and after Project Splash is excited about the sciences and is planning to attend the College of Engineering's Design Camp this summer.

Project Splash is funded by the National Science Foundation, the Massachusetts Department of Food and Agriculture, and the Lowell Public Schools.

WEB UPDATE

New Graduate School Web Site Launched

The revamped Web site for the UMass Lowell Graduate School is up and running. It can be reached by logging on to www.uml.edu/grad.

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Paikowsky's Data Contributes to Quest for International Code

Paikowsky says, they all have a different approach.

"And, while the Europeans have this perfect, well thought-out code structure," he says, "they have no data to support it."

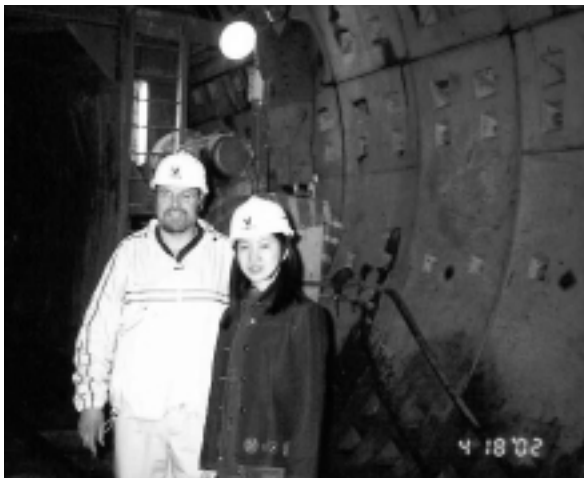
On the other hand, Paikowsky began compiling hard data on foundation work in 1994 when he published a report on the subject for the Federal Highway Administration.

"We've kept it up since then," he says. "We can apply design methods to our cases and examine what exact load can be placed on a foundation before it fails."

When he made the presentation in Japan, he says, "It was the first time that anyone has seen a code with values based on actual data. I think the information will have a great effect on the effort to establish an international code."

Following the conference, Paikowsky gave two more lectures in Japan and one in China on his work on tactile sensor technology.

— JMcD



▲ Following lecture appearances in Japan and China, Prof. Sam Paikowsky inspects a subway tunnel under construction in Shanghai to determine if his work on tactile sensor technology can be applied to the project. He is accompanied by a consultant from Tongji University.

Unisphere Networks Calls on CSCE for Training

Unisphere Networks, Inc., a leading provider of Internet protocol infrastructure products to enable broadband data, voice and video services based in Westford, recently awarded the Division of Continuing Studies and Corporate Education (CSCE) a contract to deliver a customized training program in object-oriented software development using the C++ programming language.

"This Unisphere corporate partnership is another example of a successful collaboration between the Division of Continuing Studies and Corporate Education and an academic department that helps the University's mission of promoting economic development and workforce training in the region," says Dean Jacqueline Moloney of CSCE.

Prof. William Moloney of the Computer Science Department trained nearly 30 upper level managers and staff members onsite in a 30-hour non-credit customized training program.

"I've been providing on-site instruction for some 20 years and I can't remember a more enjoyable experience. From the logistical support and facilities they provided, to the lively exchanges which took place in the classroom, this was fun from start to finish," says Moloney, associate professor of computer science.

The program was deemed so successful, that a second group of employees will begin training in June. Additionally, Unisphere plans to offer the customized training course to all its new hires.

According to Cathy Kendrick, director of Corporate and Distance Market Development, "More and more companies are requesting that programs be customized to meet their specific business requirements. We are able to respond quickly and call on top-notch faculty to implement these customized programs."

Shea Explains Effects of Alzheimer's on Patients and Caregivers

You climb the stairs and walk into the bathroom. Then you stop dead in your tracks.

You've forgotten why you're there.

Immediately you think of the dreaded "A" word. Alzheimer's disease.

"Is this the first sign? Am I developing Alzheimer's?"

If you're aged 65 or over, there is a 10 percent chance that you do, in fact, have clinical Alzheimer's, according to Prof. Tom Shea of the Biological Sciences Department. And the prevalence doubles every 10 years thereafter.

Is there anything you can do to prevent it? Are researchers finding any answers? And what if you have to care for a loved one who has Alzheimer's disease? What can you expect then?

Shea, who also is director of the Center for Cellular Neurobiology and Neurodegeneration Research, discussed these issues when he spoke last month at a Dracut nursing home that caters to Alzheimer's patients.

"It is extremely important for researchers in this area to explain to individuals touched by this disease what we are doing and why," he says. "This is perhaps the most important community service that I can provide, and I'm fortunate to be able to help explain what is happening to a love one's brain, what to expect, what not to expect, and what current and future research may bring."



▲ Prof. Tom Shea says he doubts that a cure for Alzheimer's will be found but that treatments likely will be developed in the near future that will slow the progression of the disease.

In a recent interview on the subject, Shea described how, day by day, week by week, family members watch Alzheimer's patients lose their memory and the ability to do things they've done all their lives.

"They lose their short term memory," he says. "They forget where they put things and, when they can't find them, they suspect that their own children are stealing from them. They become paranoid."

"They also may lose the ability to taste their favorite food and, because they don't recognize the flavor, they may think someone is poisoning them. Or, they'll go hungry because they've forgotten that eating satisfies hunger."

They may lose the ability to handle a knife and fork.

"The patient may become irritated or withdrawn as a result of being confused. And, if you're the caregiver, you're watching them slowly come apart."

There are dangers for the caregiver, too.

"A caregiver's life can slowly become wrapped around the patient," Shea says. "You can neglect your own health. Psychologically, you don't take time to do anything for yourself anymore. You can end up with severe depression."

In fact, he continues, 10 to 30 percent of the presentations made at an annual meeting of Alzheimer's researchers in the Boston area are on the subject of caregiver's syndrome.

As for Alzheimer's itself, Shea says, "Oxidative stress on neurons seems to be a common theme underlying the other factors that contribute to the disease."

A person is born with a certain number of neuron cells and, when they're gone, there are no replacements.

The progression of the disease may be delayed by the use of anti-oxidants, such as folic acid, and vitamins, especially vitamin E, according to Shea.

"A folate deficiency has long been known to put you at risk for cardiovascular disease and for stroke," Shea

says. "Scientists re-examining the data also discovered that there was an association with Alzheimer's disease and, more recently, Parkinson's disease."

"And research has shown that lower levels of folate are correlated with greater degeneration of the brain."

Shea says that Prof. Eugene Rogers of Health and Clinical Sciences has been "heavily involved" in this research with him. "He's the one who saw the folate connection originally through his work in cardiovascular research. And he secured funding from the Research Foundation that supported our work in the area."

Is there a cure for Alzheimer's on the horizon?

"I question that we'll find a cure. I don't think we will," Shea says.

"There may be those who disagree with me, but I don't know that there is a cure."

"We will, however, see the development of effective treatments, probably within the near future, that will slow the progression of the disease to the extent that it will no longer shorten one's lifespan nor completely destroy one's cognitive abilities. This is like diabetes, which isn't cured but can be treated and controlled."

— JMcD

National Park and University Revitalize Mogan Cultural Center

On May 1, National Park Service (NPS) and campus officials announced new programs and activities that are designed to boost activity at the Patrick J. Mogan Cultural Center, a museum facility operated by Lowell National Historical Park. Located adjacent to the Boarding House Park performance center, the Mogan Cultural Center houses historical exhibits, the offices and rehearsal space for Lowell's Angkor Dance Troupe, and the Center for Lowell History, a special collections library of the University.



▲ Paul Marion of the University, Park Superintendent Pat McCrary, and Cecilia Okafor of the African Assistance Center.

cultural events in Lowell, such as the Lao Summer Festival, the Irish Cultural Festival, the annual Puerto Rican Festival, and Women's Week.

"We're reaching out to the community, and the community is reaching back to us," said Park Superintendent Pat McCrary at what amounted to a rededication ceremony.

Cecilia Okafor, executive director of the African Assistance Center, one of the community partners at the Center, encouraged people throughout the community to become involved, and said, "This is a place for everyone to come and express their culture and history."

University representatives on the Mogan Cultural Center Community Committee are Assoc. Prof. Jeff Gerson of Political Science, Assistant Director for Community Relations Paul Marion, and Librarian Martha Mayo, who coordinates the Center for Lowell History.

PATRICK J. MOGAN CULTURAL CENTER



The Mogan Center has a new coordinator, Mehmed Ali, a historian from Lowell; an advisory board with NPS, University, and local representatives; and a host of public programs, ranging from community exhibits, cooking demonstrations, and a Scholar-in-the-City research fellowship to classes on conversational Khmer and photo-documentary techniques. The Center also provides support to a variety of heritage and

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"Hopefully there's enough momentum in the city to get many of these proposals implemented so they are not recommendations that just sit on a shelf," Turcotte says.

In addition to Turcotte, the other leaders on the project included Hal Salzman, senior research scientist of UMass Lowell's Center for Industrial Competitiveness; Richard Sclove, founder of the Loka Institute; Ida-Elisabeth Andersen of the Danish Board of Technology; and Linda Silka, co-director of the Center for Family, Work and Community.

—PM



Career Advice for Pharmaceutical Industry Hopefuls

▲ Jerry St. Peter, national director of sales for Tewksbury-based Muro Pharmaceuticals and University of Lowell graduate '89, left, recently gave the students of Asst. Prof. of Health and Clinical Sciences Nicole Champagne, right, a presentation on internships and career options in the pharmaceutical industry.

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University Partners with Lowell Folk Festival



The festival includes interactive games for the entire family, over twenty varieties of ethnic food, and street parades. This year's crafts area in Lucy Larcom Park will have a maritime theme.

For more information about the festival, call (978) 970-5000 or visit the Web site at www.lowellfolkfestival.org.

—PM

Volunteers Needed for Folk Festival

The University will have an information booth at the Lowell Folk Festival and is also recruiting volunteers for the multitude of jobs involved with producing the festival. Volunteers are needed for unloading trucks, set up and break down of stages and booths, recycling stations, information tables, transportation of performers, and other duties. Individuals, organizations, athletic teams, or others on campus who are interested in volunteering at the Lowell Folk Festival should contact Paul Marion, assistant director for community relations, ext. 3107.

A New Line of Defense in the War on Terror

Secretary of Public Safety James P. Jajuga spoke to 300 criminal justice students recently to address a question that has been on the minds of many citizens, "What has Massachusetts done in response to September 11?"

With over 30 years experience in public safety, including 21 years with the Massachusetts State Police, Jajuga described the Commonwealth's new "Statewide Anti-Terrorism Unified Response Network" (S.A.T.U.R.N.).

The S.A.T.U.R.N. program will create Red (Fire), White (Emergency Management), and Blue (Police) anti-terrorism teams in every community across Massachusetts.

"These local authorities teams will be the eyes and ears of homeland security," explained Jajuga, "and

front-line soldiers in the war on terror."

Under S.A.T.U.R.N., the teams will receive comprehensive anti-terrorism training and become part of a statewide intelligence and information-sharing network, which will attempt to detect and prevent terrorist threats.

"We think this plan will become a model of excellence and security for the entire nation," said Jajuga.



▲ Secretary of Public Safety James P. Jajuga, center, with Criminal Justice Prof. Alan Roscoe, left, and Thomas Sullivan, executive director of the Practical Skills Development Institute, recently spoke to a group of criminal justice students about the Commonwealth's new anti-terrorism program.

Sigma Xi Welcomes BU Professor as Guest Speaker

The New Conservation Science" was the topic of choice for Richard Primack, the guest speaker at the annual banquet of the UMass Lowell chapter of the Society of Sigma Xi, which took place May 9 in Wannalancit Hall.

Primack, a conservation biologist, is a professor in the Biology Department at Boston University and president-elect of the Society of Tropical Ecology.

The Society of Sigma Xi, also known as the Scientific and Engineering Research Society, has chapters at colleges and universities throughout the U.S.

High School Scholars to Explore College Life this Summer

High school students will have an opportunity to explore a career in animation design, test ground water for contamination and design a mobile robot, among other activities, as part of a summer program run by the Office of Enrollment Management.

The High School Scholars program, which runs from June 23 to 27 on campus, enables high-achieving sophomores and juniors to check out an academic concentration, a potential career and life at college. Concentrations include art and design, engineering, environmental science, health professions, mathematics and robotics. In addition to being immersed in an academic experience during the day, the students will live on campus for the week and participate in a variety of activities at night such as ice cream socials, a Lowell Spinners baseball game and live entertainment. The cost of the program, which includes tuition, room and board, is \$595.

Applications are being accepted currently, but enrollment is limited. For more information or an application contact the Office of Enrollment Management at ext. 3700 or visit the Web site at uml.edu/admissions/hsscholars.

Race Relations Council a Model at U.S. Dept. of Justice Conference

Cheryl West, community consultant for the Center for Family, Work and Community (CFWC), along with other members of the Lowell Race Relations Council, attended the U.S. Department of Justice Community Oriented Policing Services (COPS) conference to reduce racial profiling in Washington, D.C. and were part of a panel discussion from Police as Problem Solvers and Peacemakers sites. The conference brought together a group of 21 cities to facilitate the exchange of relevant information and resources.

Composed of Lowell police officers and community representatives, the Lowell Race Relations Council has quickly become a model for other cities that are struggling with racial inclusion. West has been facilitating the Council.

UMass Lowell Center's Housing Report Sparks Calls for Action

Bringing the affordable housing concerns of urban and suburban communities to the table is a little like asking the Hatfields and McCoys to break bread together - you don't want to do it unless you enjoy seeing food fly. Yet a recent breakfast forum sponsored by UMass Lowell's Center for Family, Work and Community (CFWC) highlighted some innovative approaches that bridge the divide.

As a follow-up to its report, "Meeting Lowell's Housing Needs: A Comprehensive Look," the CFWC gathered about 35 leaders in Lowell and neighboring communities to discuss their experiences with the lack of affordable housing and to recommend actions participants could take in the days and weeks ahead.



▲ Senator Steven C. Panagiotakos, left, of Lowell told the audience that Lowell families are paying 50 to 60 percent of their income on housing. David Turcotte of the Center for Family, Work and Community co-authored the greater Lowell housing report under discussion.

According to Senator Steven C. Panagiotakos, chair of the Senate's Housing Committee, Lowell is losing affordable rental units by the thousands under the so-called "expiring use" clause of federal housing policy. Many landlords are now opting out of the subsidy program and offering the units at the market rate after 20 years, as allowed by the federal subsidy

program. At the same time, according to the CFWC report, the cost of a single-family home in Lowell rose 85 percent to \$159,900 from 1995 to 2001, while condominium prices jumped 397 percent in the same period. Where can new affordable housing be offered?

Not in Lowell, according to Panagiotakos. "There simply is no land in Lowell," he said, pointing out that while Lowell already has its fair share of affordable housing stock, many of the surrounding towns do not.

Rich LeMoine, UMass Lowell's assistant director of environmental health and safety and the chair of Tyngsboro's Housing Authority said that in the past decade, Tyngsboro has experienced 28 percent growth in housing, the highest in the region. And this year alone, the town is faced with developers looking to add approximately 500 housing units under the state's 40B affordable housing law. "Tyngsboro hasn't planned for affordable housing," said LeMoine. Because only three percent of the town's housing stock is what the state deems affordable, developers can by-pass local zoning laws under 40B. The town now has undertaken a planning process to stagger introduction of the new housing so the growth can be accommodated.

One way to address the affordable housing crisis is for cities and towns to work together to fund developments themselves, said James Canavan of Community Teamwork, Inc. He credited Panagiotakos for helping establish a regional development organization, which is now up and running.

Alan Fairfax of the Merrimack



▲ Panelists who discussed the housing report included, from left, Linda Silka, co-author and facilitator for the forum; Lowell City Councilor Rithy Uong; JoJo Scharmer of the House of Hope; Frank Carvalho, former executive director of the Coalition for a Better Acre; and Rich LeMoine, UMass Lowell's assistant director of environmental health and safety and a selectman-elect from Tyngsboro.

Valley Project, a labor union and clergy coalition working to better the quality of life in the region, said a home rule petition that would provide about 500 affordable units is stuck in the House Rules Committee. He encouraged the audience to call the committee so that the immediate need for low-cost rental units can be addressed.

Panagiotakos said the Legislature has recognized that an infusion of capital funding is needed to rehabilitate old units and build new ones. Both the House and Senate have passed a housing bond bill worth more than \$500 million. These funds could be used quickly if the bill were passed into law. He said that suburban representatives were holding up the final legislation pending movement on their attempts to change the 40B laws. He encouraged the audience to contact House members and ask them to move the housing bond bill to the House floor.

Linda Silka, co-director of the CFWC, wrapped up the meeting by encouraging everyone in the audience to take one action step. "What are you going to do about housing?" she prodded.

Diversity in Religion: Blessing or Bane?

How society functions in the presence of many and varied religions was the subject of a recent talk given by Swami Tyagananda, Hindu Chaplain at MIT and minister of the Ramakrishna-Vedanta Society in Boston.

Swami Tyagananda discussed the inherent problem with the 'exclusivistic' nature—my religion is the only true religion—of most religions.

"We must understand that love for my religion does not become stronger with hatred for other religions."

Nor does the Swami wholly endorse the 'pluralistic' approach, or religious tolerance for the sake of broadmindedness, practiced in countries such as the United States.

Swami Tyagananda instead

emphasized the importance of reaching a "greater harmony."

"Religious harmony is not found in building temples or churches, nor is it found in dogma, sermons or papers like these," he quipped. "True religious harmony can only be achieved when one transcends rejection and toleration and accepts every religion as equally authentic."

The event was sponsored by The Center for Diversity and Pluralism and featured a discussion by a panel of University representatives, which included Carol Brown, chair of the Sociology Department, Asst. Prof. of philosophy Noelle McAfee and Asst. Prof. of History Shehong Chen.



▲ Assoc. Prof. of electrical and computer engineering Chandra Kavitha, left, and Ann Mulvey, right, of the Center for Diversity and Pluralism, flank Swami Tyagananda, Hindu Chaplain at MIT, center, who talked of the significance of elevating oneself to a level of religious harmony at a recent lecture.

The Countdown Begins for Launch of Ad Lab

Students in Prof. Karen Roehr's Advertising Design class this semester are doing more than learning the principles for creating compelling ad campaigns. They also have had the opportunity to work with actual clients to create "real-world" design products.

Projects have included awareness campaigns on causes like cystic fibrosis, juvenile diabetes, pediatric AIDS and promoting tourism to Greater

Lowell. On-campus clients have also taken advantage of these design services to promote activities such as the campus art galleries, women's sporting events and performances by musical groups.

It's all being done as part of a new venture in the Art Department called Ad Lab. Roehr says the purpose of Ad Lab is to let students work on design projects that will be used in actual advertising and public relations campaigns. She based the idea on Create Studio, a group she participated in as a graduate student at the Washington University School of Art in St. Louis.

"Our hope is to develop a full service 'agency' that also serves as an upper level class," adds Roehr. "This will benefit students, the UML community and the Greater Lowell community."

While the Ad Lab is currently being run as part of the Advertising Design class, art Chair Jim Coates says it may eventually stand on its own as an in-house entity providing

design services to on-campus and non-profit organizations in the region.

"Unlike an internship where students would work for the same entity for a semester," says Coates, "Ad Lab students will be drawn together to tackle a project as a team."

Roehr says she'll be working collaboratively with Art Prof. Arno Minkinen, so that, "they can bring their individual ad agency experiences—she as a designer, he as a copywriter—to the class." Minkinen teaches photography and a course entitled Art and Copy.

Roehr has also been discussing the Ad Lab with marketing Prof. Braxton Hinchey. Hinchey is excited about the future possibilities of involving his students since marketing students don't often get the opportunity to work collaboratively in the design area.

"It's a natural opportunity to give our students exposure to copywriting and design elements, while giving the design students a greater



▲ Prof. Karen Roehr, kneeling, and members of her Advertising Design class have initiated the Ad Lab, a student group that will provide advertising design services for on-campus projects and non-profit organizations in the area. The students include, standing from the left, Cheri Giusto, Mike Muse, Matt Caputo, Richard Jussaume, Tony Carteiro and, seated, Erik Bettencourt and Eric Boateng.



▲ Mike Muse, a senior in design, works on a poster intended to create awareness about athletes with diabetes. Muse has been working on the project in his Advertising Design course and is an inaugural member of the Ad Lab.

sense of theoretical context for their work," Hinchey explains.

By next spring, the faculty expects the Ad Lab will be accepting project proposals, combining the efforts of students in art and marketing.

"We're really excited about what's going to happen," says Roehr.

IPI, Texas Instruments Recognized as Innovative Cleaner Technology Sites by TURI

Each year UMass Lowell's Toxics Use Reduction Institute (TURI) selects companies that have shown best practices in reducing toxics and promoting environmental stewardship for its Cleaner Technologies Demonstration Site program. This year's recipients touch on three major initiatives of TUR including, energy conservation (Texas Instruments Incorporated, Sensors & Controls, Attleboro), green materials

in the wire and cable coating industry (Institute for Plastics Innovation, UMass Lowell), and green chemistry applications (Rexam Image Products, South Hadley).

Two sites have already made presentations to industry representatives, consultants and government staff, the Institute for Plastics Innovation (IPI) and Texas Instruments. Dr. Stephen McCarthy, director of IPI, and graduate student Vincent Tucci, are working to identify alternative materials that do not include toxics, such as lead, for use in the wire and cable coating industry. McCarthy and Tucci demonstrated the Institute's research and development capabilities of green materials.

Texas Instruments has been implementing innovative toxics use reduction techniques for more than 10 years. As part of the Cleaner Technologies Demonstration Site program, TI demonstrated its energy conservation techniques and methods for creating alternative sources of cooling during off-peak times.



▲ Prof. Stephen McCarthy, director of the Institute for Plastics Innovation, receives a citation from Vice Mayor Armand Mercier at the recent Cleaner Technologies Demonstration Site program sponsored by the Toxics Use Reduction Institute (TURI). IPI is investigating alternative materials for use in the cable and wire coating industry.

TURI's Cleaner Technologies Demonstration Site program is designed to show interested companies and industry organizations toxics use reduction (TUR) techniques and technologies. Companies often find that TUR offers more efficient and cost-effective solutions than the more environmentally hazardous standard practices.



▲ Aide to Rep. John Lepper Irene Mewes, left, presents a citation to Mark Sestak and Ray Lizzotte from Texas Instruments commending the company for their innovative techniques in energy conservation. Witnessing the presentation is Pamela Eliason, technical support associate with the Toxics Use Reduction Institute (TURI) and coordinator of the Cleaner Technologies Demonstration Site program.

Demonstration School Student Dance in the New Year with Angkor Dance Troupe

In celebration of Cambodian New Year, Demonstration School students danced with the Angkor Dance Troupe on April 12 in Upham Hall. In the audience for the joint performance were nearly one hundred friends and family members of the students. Sovann Thida Loeung, a teacher of kindergarten and Khmer classes at the school and chair of the Angkor Dance Troupe Board of Directors, organized the dance. The Graduate School of Education sponsored the event.



▲ Brianna Mai, a second-grader at the Demonstration School, performs 'The Blessing' as part of a Cambodian New Year celebration with the Angkor Dance Troupe.

University Celebrates Ten Years of Great Performances Under the Stars

U Mass Lowell is happy to be a part of the Lowell Summer Music Series for the tenth year in a row. In 1993, the University's Center for the Arts entered into a partnership with the National Park and the Lowell Festival Foundation to provide programming at Boarding House Park in downtown Lowell. Since that time, tens of thousands of visitors have enjoyed dozens of concerts, dance performances, children's programs and community festivals.

Among the University's contributions to the programming is the Lowell Summer Concert Band.

Under the direction of music Prof. David Martins, the band is comprised of 50-75 amateur musicians from throughout the Merrimack Valley. They perform several times throughout the summer, presenting a range of music, from Broadway show tunes to the "Gladiator" soundtrack.

This year's schedule includes many familiar faces of season's past. New Orleans Blues singer Marcia Ball, and piano/banjo player Livingston Taylor, two perennial favorites, will be returning this season. Asleep at the Wheel and Herman's Hermits are among those

making their first appearance in the series.

The series' organizers have made an effort over the years to present quality performers at an affordable cost. The admission for most evening performances has remained at \$5.00 per adult since 1995, although a few evenings have been increased to \$10.00. Children 12 and under have been free from the beginning.

For ticket or schedule information, call (978) 970-5000, or log onto www.lowell-summermusic.org.



▲ Irish supergroup Solas performs July 5.



▲ New Orleans blues singer Marcia Ball appears at August 10.

Complete Schedule List

Friday, July 5, 7:30 p.m. — Solas
"Not merely America's best Irish traditional band, but maybe the world's."

Saturday, July 6, 7:30 p.m. — Nathan & the Zydeco Cha-Chas
One of the best down-home zydeco party bands in America!

Friday, July 12, 7:30 p.m. — Livingston Taylor
The ultimate folk crowd-pleaser, with a razor-sharp mind and quirky worldview.

Saturday, July 13, 7:30 p.m. — ABBAmania! with Staying Alive
A spectacular recreation of an ABBA concert featuring all 21 ABBA hits! With special guests, Staying Alive, a Bee Gees Tribute show!

Friday, July 19, 7:30 p.m. — Viva Broadway!
A pops concert by our 50-member Lowell Summer Concert Band featuring songs from "My Fair Lady," "Gypsy," "Funny Girl," "On A Clear Day," "Girl Crazy," and more!

Saturday, July 20, 7:30 p.m. — Patty Larkin
Folk singer/songwriter and winner of 10 Boston Music Awards!

Lowell Folk Festival - July 26-28.

Friday, August 2, 7:30 p.m. — Musical Memories
A pops concert by our 50-member Lowell Summer Concert Band featuring music by Strauss and Sousa, and films scores from "Gladiator" and the "Wizard of Oz!"

Saturday, August 3, 7:30 p.m. — The James Cotton Blues Band
Legendary blues harp player and Grammy winner!

Friday, August 9, 7:30 p.m. — Asleep At The Wheel
Winners of 9 Grammy Awards! The ultimate western swing party!

Saturday, August 10, 7:30 p.m. — Marcia Ball
A mix of New Orleans piano boogie with Texas roadhouse rhythm and blues!

Friday, August 16, 7:30 p.m. — Imagine This!
A pops concert for kids featuring music from Disney, "Aladdin," "Harry Potter" and "Peter & the Wolf."

Saturday, August 17, 7:30 p.m. — Eric Burdon and the New Animals
Original Animals lead singer. "House of the Rising Sun" "Monterey" "Spill The Wine"

Friday, August 23, 7:30 p.m. — Sleepy LaBeef
The Globe says, "If it's possible to raise the roof at an outdoor festival, Sleepy is just the man to do it!"

Saturday, August 24, 7:30 p.m. — Roomful of Blues
Jazz, swing, blues and a driving horn section!

Friday, August 30, 7:30 p.m. — A Salute to Sinatra
Artie Barsamian's 16-piece Boston Big Band with singer Steve Marvin!

Saturday, August 31, 7:30 p.m. — Shirley Reeves of the Shirelles and Bill Haley's Comets
"Soldier Boy" "Will You Still Love Me Tomorrow?" "Rock Around the Clock" "Shake, Rattle and Roll"

Friday, September 6, 7:30 p.m. — Herman's Hermits starring Peter Noone
"I'm Into Something Good" "Silhouettes" "Can't You Hear My Heart Beat?" "There's A Kind of Hush"

Saturday, September 7, noon to 6 p.m. — The 23rd Annual Banjo & Fiddle Contests
Over 75 contestants compete for prizes.

A Free Children's Series will feature music, magic, dance and lots more fun, most Thursday and Saturday mornings at 11 a.m. at Boarding House Park:

Thursday, July 11 — Li'l Iguana Traveling Safety Show—Kids Safety Thru Music and Dance

Saturday, July 13—Dance Salute to America! —Donna Miceli Dance Studio

Thursday, July 18—Peter & Ellen Allard—Award-winning children's songs

Saturday, July 20—Li'l Iguana Traveling Safety Show—Kids Safety Thru Music and Dance

Thursday, August 1—Les Julian—Fun stories and songs for kids

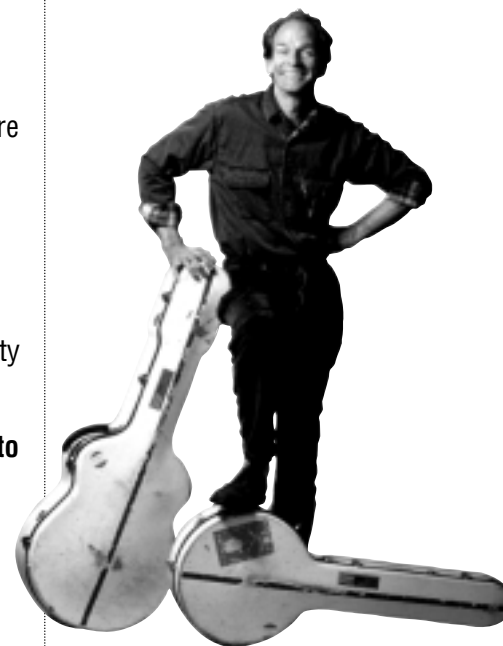
Saturday, August 3—Dondo, the Magiclown—Vaudeville clown and circus act

Thursday, August 8—Jackson Gillman, Standup Chameleon—comedy, dance, mime and songs

Saturday, August 10—Angkor Dance Troupe—Kids' show of Cambodian traditional dance

Thursday, August 15—Ronald McDonald—Reading program and book giveaway

Saturday, August 17—Imagine This!—Pops concert for kids: Disney, "Harry Potter" and "Peter & the Wolf"



▲ Livingston Taylor returns July 12.

Mazzocchi Honored at Workers' Memorial Day

At the Workers' Memorial Day awards ceremony on May 1, the most powerful presence in the room was the person not there—Anthony Mazzocchi, union leader,

political organizer and crusader for the health and safety of workers.

Mazzocchi was unable to attend the event because of ill health, but many friends and former associates

came to honor him and reminisce about his 50 years of activism and achievement.

Assoc. Prof. Rafael Moure-Eraso of the Work Environment Department was visibly moved as he read the citation, having worked closely with Mazzocchi when he was an officer of the Oil Chemical and Atomic Workers (OCAW) union and Moure-Eraso was the union's industrial hygienist.

This is the 14th year in which the University has presented awards to

mark the observance of Workers' Memorial Day, which was instituted nationally in 1989 by the AFL-CIO to remember the tolls in life and health taken by work.

UMass Lowell ordinarily presents two awards on this occasion, but this year the selection committee, headed by Moure-Eraso and Asst. Prof. Craig Slatin of Health and Clinical Sciences, decided to present the Award for Public Health in the Work Environment only to Mazzocchi.

Also, the award sponsors are donating a building brick to be permanently displayed in the entrance wall of the new Campus Center. The inscription will be, "Anthony Mazzocchi, Founder of the Modern Worker Health and Safety Movement."

Mazzocchi was an architect of the U.S. Occupational Safety and Health Act in 1970, helped get it passed, and then filed the first complaint under the new law. He also formed alliances with scientists to expose the unknown dangers of chemicals on the shop floor and recruited occupational medicine students to work as

interns at his union, which helped influence union practices in support of workers. Under the federal Superfund Worker Training Program, he shepherded OCAW to develop unique approaches to workplace health and safety training.

One of Mazzocchi's more innovative strategies has been to promote a "Just Transition" for workers displaced by a changeover to a less toxic economy. His latest commitment is to building the Labor Party because, he believes, "movement building is the most important thing," and the existing dominant political parties "are too responsive, mostly, to the corporate agenda."

The sponsors of the award were the Center for Public Health Research and Health Promotion; the Department of Work Environment; the Department of Regional Economic and Social Development; the Labor Extension Program; the Center for Family, Work and Community; the Center for Women and Work; and the Lowell Center for Sustainable Production.



▲ Mary Goldstein-Gelb, executive director of MassCOSH, accepts the letter of citation for UMass Lowell's Award for Public Health in the Work Environment to deliver to Anthony Mazzocchi, union leader and activist. Presenting the letter, at the podium, is Work Environment Assoc. Prof. Rafael Moure-Eraso, surrounded by some of Mazzocchi's friends and associates who attended the Workers' Memorial Day ceremony in his honor, including, from left, Les Boden, professor of economics at the Boston University School of Public Health (BUPH); Work Environment Assoc. Prof. Margaret Quinn; Richard Clapp, professor of epidemiology, BUPH; Dr. David Wegman, chair of Work Environment; Leticia Davis, director of occupational health surveillance, Mass. Dept. of Public Health; and Work Environment Prof. Charles Levenstein.

UMass Lowell Takes Lead in Bioinformatics Conference

Building on the strength of a program that is strongly interdisciplinary, UMass Lowell's bioinformatics program hosted the 2002 annual University of Massachusetts Bioinformatics Conference.

The conference organizing committee reflects the interdisciplinary nature of the program, with members from the departments of Biological Sciences, Computer Science, Mathematical Sciences, Chemistry and Philosophy, as well as the Cell Biology Department of the UMass Medical Center.

Computer science Prof. Georges Grinstein and biological sciences Asst. Prof. James Lyons-Weiler opened the conference, followed by welcoming remarks by UMass Lowell Chancellor William T. Hogan.

"Bioinformatics is of great scientific and intellectual interest, but, beyond that, of great importance to Massachusetts," said Hogan. "We live in an area without abundant natural resources and depend on our strength in innovation. Here at Lowell, our focus is to broaden the study of bioinformatics beyond the nexus of biology and computer science, and become more inclusive across disciplines."

Dr. James Cassatt, director of the Center for Bioinformatics and Computational Biology at the

National Institute of General Medical Sciences, National Institutes of Health, was the opening day keynote speaker.

Cassatt also emphasized the interdisciplinary aspect of bioinformatics, characterizing it as "new science."

"The new science is interdisciplinary, collaborative, data intensive and, maybe, not hypothesis-driven," said Cassatt. "Working on a discovery basis, rather than from hypothesis, may require new funding mechanisms."

Dr. Phil Reilly, CEO of Interleukin Genetics Incorporated and author of "Mr. Lincoln's DNA," was keynote speaker the second day of the conference. Reilly, a medical doctor and lawyer, gave a spirited overview of what he called "DNA medicine" and the ethical issues that it raises.

Very soon he expects a challenge to the principle of confidentiality.



▲ Members of the conference organizing committee and guests gather before the opening of the second annual University of Massachusetts Bioinformatics Conference. They are, from left, David LaPointe, assistant professor in cell biology at the UMass Medical Center; Prof. Lee Jones and Assoc. Prof. Ann Marie Hurley, mathematical sciences; Dean Robert Tamarin, Division of Sciences, College of Arts and Sciences; Prof. Georges Grinstein, computer science; Chancellor William T. Hogan; Prof. Kenneth Marx, chemistry; keynote speaker Dr. James Cassatt, the National Institute of General Medical Science at the National Institutes of Health; and Asst. Prof. James Lyons-Weiler and Prof. Susan Brauhut, biological sciences.

"In colon cancer, for example, five to ten percent of cancers are caused by a strongly predisposing gene line mutation," said Reilly. "What if a patient tests positive for this mutation but tells you, the physician, not to disclose the results to relatives?"

The conference featured concurrent sessions on a wide variety of technical issues in bioinformatics, as well as poster sessions by UMass



▲ Dr. Phil Reilly, right, CEO of Interleukin Genetics Incorporated and author of "Mr. Lincoln's DNA," was keynote speaker the second day of the conference, welcomed here by Prof. Georges Grinstein, computer science.

Lowell students and information booths by corporate sponsors, including AnVil Informatics, Pfizer, Sun Microsystems, InforMax and the Journal of BioLaw and Business.

Conference organizers also gave special thanks and appreciation to Provost Robert Wagner and to the staff of the Research Foundation.

M/A-COM President Rick Hess Honored at Engineering Alumni Awards Banquet

Rick Hess, president of M/A-COM, a unit of Tyco Electronics, was honored with the Lifetime Achievement in Engineering award at the sixth annual Francis College of Engineering Alumni Awards banquet on May 2.

Hess has been M/A-COM president since 1999, and before that was vice president and general manager of the company's integrated semiconductor business unit. He is a director of M/A-COM Foodshare, Inc., and a member of the College of Engineering Industrial Advisory Board.

Family, friends and colleagues gathered for the festive evening of awards and reminiscences.

The awards included Outstanding Service in Education to Zelman Kamien, professor of mechanical engineering for 28 years before retiring in 1994; Outstanding Service to the College and University to Prof. Donald G. Leitch, currently executive officer of the Civil and Environmental Engineering Department and teacher for 34 years; and Outstanding Service to the Community to William "Bill" Flood, who retired from the chemical and nuclear engineering faculty in 1995.

Two alumni were named to the Francis Academy of Distinguished Engineers: Rick Pierro earned his master's in chemical engineering in 1983, is a member of the department's Board of Advisors, and is president and co-founder of Superior Controls; William Hellmuth earned his bachelor's in plastics engineering in 1977 and is the senior product manager in charge of blown film systems for Battenfeld Gloucester Engineering Company.

Joseph P. Flannery was named the James B. Francis Distinguished Alumnus for 2002. Flannery, who received his bachelor's in textile chemistry in 1953, is the chairman, president and chief executive officer of Uniroyal Holding, Inc. He serves on the boards of directors of many leading companies and is a member of the College Industrial Advisory Board. He also holds an MBA from Harvard Business School.



▲ Dean Vedula, right, presents Joseph Flannery with a watercolor of the Francis Gatehouse in Lowell that was designed by famed hydraulics engineer James B. Francis and twice saved the city from devastating floods. Flannery was honored with the James B. Francis distinguished alumnus award.



▲ Bill Flood browses the table of memorabilia from the Lowell Textile Institute, the Lowell Technological Institute and the University of Lowell, collected by Florence Lacouture, coordinator of alumni records.



▲ Award winners gather with the dean for a formal portrait before the beginning of the annual Francis College of Engineering Alumni Awards banquet. From the left are William Hellmuth, Rick Pierro, Joseph Flannery, Donald Leitch, Dean Krishna Vedula, William Flood, Zelman Kamien and Rick Hess.

CMINDS Celebrates Opening, Department Marks New Degree

To some, the topics may seem arcane: optical network node architectures, system architecture and embedded systems, machine vision and multi-media distributed systems processing. But to the executives and research directors of leading companies who attended the recent inauguration of a new computer engineering research center, the overview and student poster presentations were music to their ears.

Assoc. Prof. Dalila Megherbi of the Electrical and Computer Engineering Department is director of the Center for Man/Machine Intelligence, Networking and Distributed Systems, or CMINDS, located on the fourth floor of Ball Hall.

The heart of the new center is its large computing capacity, so that, as Megherbi explains, "Applications will run not just faster than on your PC, but faster than anything else."



▲ UMass Lowell Provost Robert Wagner, left, opened the ceremonies for the inauguration of the Center for Man/Machine Intelligence, Networking and Distributed Systems (CMINDS). Joining him are Rick Hess, president of M/A-COM and keynote speaker for the event; Dean Krishna Vedula, Francis College of Engineering; Prof. Ziyad Salameh, chair of the Electrical and Computer Engineering Department.

At the inauguration ceremony, Prof. Ziyad Salameh, chair of the Electrical and Computer Engineering Department, welcomed guests and described the newly approved undergraduate degree program in computer engineering.

Rick Hess, president of M/A-COM, a Tyco Electronics company, headquartered in Lowell, was the keynote speaker. Brief presentations were also made by Louise Griffin, associate director of the Research Foundation; Shri Goyal, industry liaison working with the Research Foundation; and Judith Boccia, co-director of the Committee of Federated Centers and Institutes.

Among the industry guests were representatives of Lucent Technologies, Nokia Corporation, Raytheon, Cadence, Sun Microsystems, Dynamics Research Corporation, Draper Laboratory, Altera, I.R. Security and Safety, Nortel Networks and many others.



▲ I.R. Security and Safety executives Dominic Pesapane, left, Jim Scott, president, and Gary Lavelle listen to a description of the research work conducted by graduate student Yohannes Iyassu in the CMINDS research center. Computer engineering laboratories were also open for tours, in celebration of the newly approved undergraduate degree program in computer engineering.

Youth Sports Program Scores with Philip Morris



▲ The National Youth Sports Program at UMass Lowell recently received a financial boost from Philip Morris Co. From left, Harry Vassilakos, Finance '78, and Matthew Paluszek, Public Affairs Director, were on campus to discuss the program and the contribution with Prof. John Hellstedt, project administrator, and Dana Skinner, director of athletics. NYSP provides athletic programs and other educational activities to 350 area youths during the summer.

Graduating Student Breakfast Serves Up Food and Fun

The fourth annual Graduating Student Breakfast was held in Cumnock Auditorium on May 10. In addition to having brunch, students were able to verify their graduation status, pick up their caps, gowns and commencement tickets, and buy tickets for senior week activities.

The organizing committee included Diane Earl and Deme Gys from Alumni Relations, Joyce Demers and Chris Monti from Aramark, Mike Ford of Barnes & Noble, Pat Yates and Kristen Rhyner of Career Services, Brenda Evans and Mary Connelly from Student Activities, and Ed Stoner, assistant director of athletics.



▲ Servers at the breakfast buffet included, from left, Chris Monti of Aramark; Mary Lou Bolduc, staff assistant in the College of Health Professions; Bruce Buckley of Aramark; Susan Wartman from Continuing Studies and Corporate Education; Dean Janice M. Stecchi, College of Health Professions; and Laurie Tirado, coordinator of the Honors Program and Advising Services.



▲ Deme Gys and Diane Earl, from left, both of the Alumni Relations Office, helped Ed Stoner, asst. director of athletics, collect evaluation forms and distribute door prizes.



▲ Beth Donaghey, director of Disability Services, and Rowdy, the River Hawk, were dressed for fun at the Graduating Student Breakfast.

Research Shows High Asthma Rates, Helps Address the Problem

Ongoing research gives scientists an opportunity to identify problems and then devise initiatives to address them. That's what College of Health Professions researchers have done in their three-year study of asthma among students at Greater Lowell Head Start program and undergraduates at UMass Lowell.

The first two years of the study were devoted to collecting data on the incidence, risk factors and health care utilization. This year, researchers working with the preschoolers have conducted home-based educational programs, while the UMass Lowell population has piloted a Web-based tool that could assist asthmatics in managing their condition.

Principal investigator for the research is Dr. Robert Nicolosi of the Health and Clinical Lab Sciences Department. The preschool study was directed by Pauline Ladebauche, R.N.M.S., director of UMass Lowell's Nursing Laboratories, and the campus survey is under the direction of Dr. Beverly Volicer, chair of the Department of Health and Clinical Sciences.

University asthma research has been funded at \$140,000 for three years by the Massachusetts Department of Public Health (DPH). Senator Steven C. Panagiotakos, who sponsored this funding, says "There's no doubt that asthma is a real problem in Lowell. I am pleased that the research includes strategies for helping kids control their condition."

Reasons for the increased asthma rates in these two student populations are unclear without additional research, says Nicolosi. "It's important that we accurately identify risk factors for asthma and work with both of these populations on meaningful interventions."

During the 1999-2000 school year, 35 percent of Lowell Head Start students surveyed had asthma (112 out of 316 students). In the next school year, the incidence rate was 22 percent (54 out of 245 students). The incidence rate reported in Head Start studies with similar populations in Wisconsin and Virginia studies was measured at 14 and 19 percent,

making the Lowell rate at least 20 to 50 percent higher.

Research conducted with the student population at UMass Lowell revealed a 15 percent asthma rate, about 35 percent higher than the 11 percent rate for the national college population overall. Approximately 300 students were surveyed.

This school year, 62 preschool children and their parents have been involved in an asthma education program, Breathe Easier Asthma Training (BEAT), specifically tailored to the needs of the families served by Head Start. With the support of Greater Lowell Head Start, the initial home-based program has been expanded to include educational outreach to teachers, paraprofessionals, family service providers and community workers.

College-age students with asthma, who regularly track Peak Flow Measurement (their expiration rate), tested paper and electronic versions of a measurement tool. University researchers have also implemented the American College Health Association's National College Health Assessment (NCHA) on campus. NCHA provides comparative data on asthma and other health issues for both local and national populations.

Over three years, the asthma research teams have included Susan Reece, prof. of nursing; Nancy Quattrocchi, director of Health Services; Assoc. Prof. Michael O'Sullivan and Assist. Prof. Patrick Scollin, both of the Health and Clinical Sciences Department. The project manager is Maureen Faul.



▲ Robert Knorr, deputy director for Environmental Epidemiology, Massachusetts Department of Public Health (DPH), and Maureen Faul, project manager of the asthma research project, discuss the findings at the World Asthma Day Health Fair organized by senior nursing students on May 3. DPH has funded asthma research at the Lowell campus for three years.



Sigma Xi Banquet Held to Induct Members, Give Awards

▲ Officers of the UMass Lowell chapter of Sigma Xi, The Scientific Research Society, gathered before their recent banquet. Seated are sciences Dean Robert Tamarin, left, chapter president, and biology Prof. Richard Primack, Boston University. Standing, from left, are physics Prof. Aram Karakashian, awards chair; chemistry Asst. Prof. James Whitten, secretary; physics Prof. Arthur Mittler, treasurer; health and clinical sciences Prof. Mary Elizabeth Hooker and nuclear engineering Prof. Gil Brown, at-large members.

Psychology Club Collects Welcome Packs for Foster Children

The UMass Lowell psychology club has just completed a "Welcome Pack" fundraiser for children entering foster care. The Welcome Packs are backpacks filled with age appropriate items such as underwear, toys, and hygiene products for area children under the care of the Department of Social Services.

Yunieska Trujillo, the club president, says they received donations from various companies, students and faculty. Club members presented the packs to DSS representatives Carol Matthews and Doreen Hatch at this year's Psychology Award's Banquet.

The campaign was the brainchild of psychology major Maria Regina Shea. It was partially sponsored by a

Washington Savings Bank Award coordinated by Prof. Mark Levine and the Community Service Office.



▲ Prof. Charlotte Mandell, chair of the Psychology Department, is flanked by Carol Matthews and Doreen Hatch, right, both of the Department of Social Services. Matthews and Hatch were on hand at psychology's spring banquet to receive "Welcome Packs" collected by members of the Psych Club.



▲ Maria Regina Shea, right, presents Doreen Hatch of the Department of Social Services with a "Welcome Pack" filled with toys and other items for area foster children. Shea conceived of the idea to hold a fundraiser to benefit those in foster care.

Eta Kappa Nu Inducts



◀ Profs. Ziyad Salamaeh, left, and Vidhu Prasad were the faculty representatives at a recent induction ceremony for new members of Eta Kappa Nu, an honors association for students of electrical engineering. Twelve new members were inducted at this year's ceremony.

Promotions Appointments

Promotions

Cecile T. Paquin, manager of Budget Operations in the Budget Office, from manager in General Accounting.

Rekha Puri, manager of Budget Analysis in the Budget Office, from senior budget analyst in Administration and Finance.

George S. Zaharoolis, director of Quality Assurance in Administration and Finance, from director, Accounts Payable.

Appointments

Julie Arangio, trainer in Information Technology, from program manager at EMC Corp.

Ronald D. Carmichael, mechanical operator in the Radiation Lab, from mechanical specialist at Polaroid.

Priyadarsi De, post-doctoral work in the Chemistry Department, from the Department of Inorganic and Physical Chemistry in Bangalore, India.

Huishan Duan, research associate in the Research Foundation, from Guangxi Science and Technology Exchange Center in China.

Debra A. Kelleher, general accountant in the Research Foundation, from part-time.

Center Researcher Quoted in Chemical Journal

Joel Tickner, a research assistant in the UMass Lowell Center for Sustainable Production, was quoted on the issue of international environmental regulations in the April 22 issue of Chemical and Engineering News.

Calling the Swedish response to environmental risk assessment a "very scientifically informed position," Tickner interpreted that response for the journal's reporters:

"What the Swedish government said is, 'We can't do quantitative risk assessments on every chemical, but what we can do is identify characteristics in chemicals, like persistence and bioaccumulation, that seem to be associated with harmful effects. We can work on those.'"

Flood Addresses Women's Transportation Group

Retired chemical and nuclear engineering Prof. H.W. "Bill" Flood was among the speakers at a May 14 meeting of the Women's Transportation Seminar at the State Transportation Building in Boston. Flood, who is chair of the Massachusetts Board of Registration for Professional Engineers and Professional Land Surveyors, spoke on the procedures and requirements for those who wish to become licensed engineers in the Commonwealth.

UMass Lowell Health and Safety "Self Audit" Assures EPA Compliance

A voluntary, University-wide "self audit," to measure compliance with the standards and regulations of the Environmental Protection Agency (EPA), was scheduled at UMass Lowell during the week beginning May 13.

The audit, explains Environmental Health and Safety Director Rich Lemoine, was instituted as an alternative to the prospect of an EPA "unannounced visit" to measure compliance, which has been the Agency's practice in the past.

An EPA-approved environmental consulting firm, Woodward and Curren, arrived on campus May 13 to expedite the self-audit process and prepare to file its report. The firm conducted tests on various University sites, focusing especially on labs, art, photo and mechanical rooms and other locations known to house chemicals or hazardous waste.

Once the audit is completed and the report filed, says Lemoine, UMass Lowell will have 60 days to remedy any deficiencies found.

"This is a very positive process for us," Lemoine says. "To be willing to go through the audit, to correct any problems, to cooperate with the EPA—it saves a lot of time and effort, and keeps us in compliance with the standards that determine health and safety today."

Moylan Releases the Art of Recording

Prof. William D. Moylan, chair of the Music Department and coordinator of sound recording technology, has released a new book, "The Art of Recording: Understanding and Crafting the Mix," published by Focal Press, a leading publisher of audio books.

The book continues Moylan's research into the use of technology for artistic expression and the development of listening skills for people in the audio industry. In it, he uses numerous examples to illustrate the sounds of audio, discussing and evaluating many well-known recordings by The Beatles.

"This book is more accessible, with a less formal style," Moylan says. "It contains many more musical examples and illustrations, and is longer and more thorough in its coverage."

The techniques and concepts of the book have been developing during the past 20 years in Moylan's teaching and in the Sound Recording Technology program at UMass Lowell. In the weeks after its release, it has already been adopted as a required text in several universities from Norway and England and a major recording program in the U.S.

"The Art of Recording" is the only existing book that thoroughly examines the dimensions of sound in audio, and explains the unique sound qualities of audio recording and



▲ Prof. William Moylan, chair of the Music Department, announces the release of his new book, "The Art of Recording: Understanding and Crafting the Mix."

reproduction. It also presents a carefully devised system for developing critical listening skills, for evaluating recordings, and for accurately describing sound. This leads to an exploration of how the recording process shapes sound, and can thereby enhance music and other audio productions.

In his foreword to the book, the legendary Rupert Neve compliment's Moylan's teaching of listening skills and the high level of performance demonstrated by graduates of the University's Sound Recording Technology program.

CS Alum Remembered by Scholarship Established by UNH, UMass Lowell Friends

University of New Hampshire and UMass Lowell alumni put aside their hockey rivalry to form a scholarship in memory of Bryon Dirigian, a UMass Lowell computer science alumnus of 1988 and founder of Calypso Software. Calypso, located in Nashua, was a natural hotbed for recent UNH and UMass Lowell students and alumni.

When Calypso was sold to Seagate Software and Dirigian passed away, the former employees felt a void for their friend and for the dynamic working environment. In 1997, Thomas Cloos, a 1993 graduate of UNH, and Paul LaFrance, a 1989 graduate of UMass Lowell's computer science program, established Dirig Software in their friend's memory and spirit.

Now, six former Calypso employees, including Cloos, LaFrance, and other Dirig employ-

ees, have spearheaded an endowed scholarship in Dirigian's name. The Bryon Dirigian Memorial Endowment Fund has reached more than \$17,000 and the first recipient will be selected this summer. Additionally, the Computer Science Department hopes to have a plaque in Dirigian's memory to acknowledge each year's recipient.



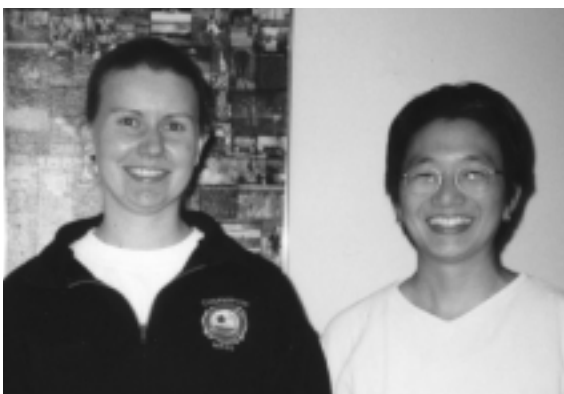
▲ Former Calypso Software and current Dirig Software employees gathered at the Computer Science Department to formalize the Bryon Dirigian Memorial Endowment Fund, named for Calypso founder and UMass Lowell alumnus Byron Dirigian. From left, Ernie Makris '97; Mike Fenlon '89, '91M; Tom Cloos, UNH alumnus and co-founder of Dirig Software; Paul LaFrance '89 and co-founder; Jon Cook, UNH alumnus; and Prof. James Canning.

Dean Kleniewski Says Her Good-byes



▲ Assoc. Prof. Marlowe Miller, left, presents a good-bye gift to Dean Nancy Kleniewski at the English Department's award dinner. Kleniewski will be departing the University at the end of this academic year to assume the position of provost with Bridgewater State College.

Engineering Student Honored



▲ Tau Beta Pi, the engineering honor society, awarded a Record Scholarship for undergraduate study to Kari Stevens, a junior in mechanical engineering, one of just 38 scholarships awarded nationally. Stevens, left, stands with her advisor Assoc. Prof. Julie Chen beside the "bent," the symbol of Tau Beta Pi.

Reardon Named Permanent Chief of Police

Patricia M. Reardon, who has served as acting chief of the UMass Lowell Police Department for the last 18 months, has been appointed to the post on a permanent basis, according to Dean of Students Ellen Duggan. Reardon joined the department in 1986 and held the rank of captain when she was appointed acting chief in the fall of 2000. She succeeded James W. Rowe Jr. who retired in August of that year.



▲ Patricia M. Reardon

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Retirees Honored at University Luncheon

Costello Gymnasium was filled with retiring employees, their colleagues and other well-wishers on Thursday, May 9, for the University's annual Retirement Celebration luncheon.

Following the buffet meal, Provost Robert Wagner delivered welcoming remarks, and Human Resources Director Jack Giarusso presented Performance Recognition

awards to employees chosen by their peers for their records of superior performance.

Chancellor William T. Hogan then addressed the gathering and, with assistance from Wagner and Vice Chancellor Susan Goodwin, presented awards to the retiring employees.



▲ Seated, from left, Prof. Juan Rodriguez and Prof. John LeBaron, both of the Graduate School of Education; standing, same order, Ann Kelley, Financial Aid, and Mary Perron and Prof. Brenda Jochums Slez, also of the Graduate School of Education.



▲ Assoc. Prof. Martin A. Patt, Electrical and Computer Engineering Department, left and Prof. F. Ross Holmstrom, graduate coordinator in Electrical and Computer Engineering Department.



▲ From left, Lorraine Woods, Graduate School; Kathleen R. Coutu, Human Resources; Mary Lou Bolduc, College of Health Professions and Gerlinda Clark, Health Professions



▲ Prof. Hai B. Pho, Political Science Department, and Lan T. Pho, director of the Center for Diversity and Pluralism



▲ From left, Frances M. Flynn, Continuing Studies and Corporate Education; Bunny Murphy, Affirmative Action; Prof. William R. Hersey, English; Susan Hersey, Academic Affairs; Brendan Welsh, systems analyst in the Telecommunications Department and Dulcie Mills, Telecommunications Department.



▲ Prof. Albert Altman, Physics Telecommunications Department, left, and Asso. Prof. Stanley L. Spiegel, Math Department, reminisced about the old days in New York.



▲ From left, Head Baseball Coach Jim Stone, John Cardoza, Costello Gym Facilities Manager John DeFreitas, Library Assistant Sylvia Contover and Plastics Engineering Laboratory Technician Furui Tang



▲ From left, Mike Coupal, Ruby Harvey, both of the Housekeeping Department, Bea Zwicker, supervisor in housekeeping, Rene V. Parent, HVAC mechanic and Asso. Prof. Dan S. Golomb, Department of Environmental, Earth and Atmospheric Sciences.



▲ Extra Photo A



▲ From left, Payroll Specialist Peggy St. Peter and Peter Astorian, Stephen Spurk and Geraldine Williams, all of housekeeping.



▲ Retirees, from left, Joan M. Fenlon, College of Arts and Sciences, Prof. Pat Krolak, Computer Science Telecommunications Department, talk with Kay Merrill of the Chancellor's Office. At one time, all three were in the Computer Science Department.



▲ Long time coworkers, from left, Gladys Coughlin, Dean of Students Ellen C. Duggan and Elizabeth Donaghey. Coughlin and Donaghey retired from the Dean of Students' Office several years ago.



▲ Chemistry Department laboratory technician Jean Theall and John Bayliss of the University's Counseling Center.



▲ From left, Civil Engineering Professor Burton Segall, Associate Professor of English Andrea Corbett and Prof. William Moeller, also of the Civil Engineering Department.



▲ Asso. Prof. Richard Gore of the Environmental Earth and Atmospheric Sciences Department, Cecile Paquin, manager of general accounting, and Asst. Prof. of English Arthur Dabilis



▲ From left, Denise Legault, associate director of athletics; Profs. Fred Faudie and Brenda Pinardi of the Art Department and Asso. Prof. Carol Brown of the Sociology Department.



▲ From left, Barbara Regan of the Math Department; Carolyn Wolf of the English Department and Stella Klesaris of the College of Arts and Sciences.



▲ Ben Franckowiak, director of O'Leary Library



▲ Profs. Jon Hellstedt and Anne Mulvey of the Psychology Department.



▲ Arline Jordan and Ellie Martell, accounts payable clerks in the Research Foundation.



▲ Bill Pero, coordinator of tutoring in the Centers for Learning, and Ray Vigeant, director of Telecommunications and Networking.



▲ Jackie Moloney, dean of Continuing Studies and Corporate Education; Pat Yates, director of Career Services; Prof. Dean Bergeron of Regional Economic and Social Development; and Dave Driscoll, associate director of Educational Computing.



▲ Prof. Gerald Downey and, standing, Assoc. Profs. Leo Pipino and George Liaw, all of the Management Department.



▲ Extra photo B



▲ Assoc. Prof. Ilze Skare, Prof. Jack Mallett and, standing, Assoc. Prof. Siu-Lam Lee, all of Biological Sciences.



▲ Elaine Bourret, staff assistant in the College of Management, with Dean Kathy Verreault.



▲ Assoc. Prof. Arlene McGrory and Prof. Eileen Williamson of Nursing with Steve Moses of the Center for Public Health Research and Health Promotion.



▲ Assistant Dean of Students Tom Taylor, Student Activities Director Mary Connelly, and Dean of Students Ellen Duggan.



▲ Assoc. Prof. Robert Whelan of the Language Department and Terry Whelan.



▲ Profs. Stuart Smith and Tony Mele of the Music Department; Joan Fenlon, staff assistant in the Division of Fine Arts, Humanities and Social Sciences; and Judy Stevens, secretary in Economics and Legal Studies.



▲ Chancellor William T. Hogan extends best wishes to Prof. Dean Bergeron at the University's Retirement Celebration luncheon in Costello Gym.



▲ Mary Theall, laboratory technician in the Chemistry Department.



▲ Provost Robert Wagner greets Associate Registrar Joe Antonuccio as the retirees come onstage to be presented with their gifts.

Note Worthy

Prof. Doreen Arcus, psychology, will be presenting a paper this summer entitled, "Parents' Styles, Children's Temperaments and Paths from Reactivity to Inhibition to Shyness," at the European Conference on Personality in Jena, Germany. Her research has demonstrated the relative link between adult shyness and levels of parental neglect during childhood.

Prof. Arcus will also be presenting, "Children in Foster Care and the Eye of the Beholder," at the American Psychological Association Convention in Chicago this August. The paper was co-authored by graduate students in community and social psychology Theresa Milewski and Kelly Brown, and psychology major Jennie Merrill.

Psychology Profs. **Meg Bond** and **Jean Pyle**, both of the Center for Women and Work, and Prof. Laura Punnett, Work Environment, will be participating in this summer's International Conference on Women, Work and Health in Stockholm, Sweden. Bond will also be making a keynote address entitled, "Globalization, Public Policy and the Gendered Division of Labor."

The three are also presenting research they've been conducting on the impact of women's workplace and family experiences on health and organizational outcomes. This work has been sponsored by the CWW in collaboration with the Kerr Ergonomics Institute.

Bond, Pyle and Punnett, along with Margaret Quinn, also of Work Environment, are serving on the Expert Committee for the conference.

Prof. Gene Niemi of the Mechanical Engineering Department recently completed a sabbatical leave at Florida Atlantic University, where he took courses in oceanography, advanced fluid mechanics, and coastal structures. Based on his experience,



▲ Prof. Gene Niemi

the department plans to offer a senior elective and a graduate course in Ocean Engineering as part of the Intercampus Graduate School of Marine Sciences and Technology. The course will cover physical properties of the ocean, ocean wave mechanics, physical modeling of marine vehicles and coastal environments, resistance and propulsion of surface ships and submarines, and the effects of forces on floating and submerged objects such as buoys, pipelines, and coastal

structures such as piers and breakwaters.

Additional information on the Marine Science and Technology program can be found on the Web at www.umassmarine.net.

Jim Rayner, manager of Power Systems and Utilities in Physical Plant, has been recognized by the CRE Online Community for "countless hours of unselfish sharing, patient counseling and thoughtful guidance, with no other motivation than to simply help other people."



▲ Jim Rayner

CRE (Creative Real Estate) is an international organization of volunteers who offer their services online to answer questions on all aspects of real estate. Rayner received the recognition award at the group's annual convention in Atlanta earlier this year.

Assoc. Prof. Joyce Gibson of the Graduate School of Education and co-director of the Center for Family, Work and Community, and Asst. Prof. John Shirley of the Music Department, are joining six faculty from Middlesex Community College on a one-month trip to Cambodia in June.

Funded by a Fulbright-Hayes grant, the trip's primary objective, according to Gibson, "is to integrate some aspects of what we learn into our coursework." Frank Falsetta, associate provost at Middlesex, wrote the proposal; Ken Dunn, professor of Legal Studies, is the trip guide and leader; and the group's language teacher is Prof. George Chigas, who will be teaching a course on genocide. Gibson says, "Our work is also related to goals of the group that traveled to Cambodia last summer, and we are collaborating with Pat McCrary of the National Park Service who is attempting to establish a Museum of Social Conscience in Lowell."



▲ Assoc. Prof. Joyce Gibson

UMass Lowell

in the

Community

Lemoine Thumps Incumbents, Takes Top Spot in Tyngsboro Selectman Race

UMass Lowell Environmental Health and Safety Director Rich Lemoine, a ten-year Tyngsboro resident who has served as a member of that town's Housing Authority for almost as long, recently parlayed his years of civic service into his first elective-office success.



▲ Rich Lemoine

It was a dramatic one. Lemoine, one of two newcomers running against a pair of incumbents for two Tyngsboro selectmen seats, finished first in the four-man field, defeating his nearest incumbent-rival, Frederick Perrault, by close to a three-to-one margin—or more than 1,200 votes. His co-victor, Peter Nicosia, also a newcomer to the job, finished just 184 votes behind Lemoine. The two victors will each serve three-year terms.

Turnout was high for the election, with interest piqued as a result of differences of opinion over a local strip club. But for Lemoine, the issues were less prurient:

"I just wanted the chance to take what I've learned, the interactions I've had, as a member of the local boards I've served on"—he has also been president of the Tyngsboro Community Housing Partnership—"and use that vision to move the town forward, to help take us beyond where we are to where we need to go."

Three local priorities, says Lemoine, formed the core of his platform for office, and of his vision for the town. The first is the need for an "integrated master plan," which would control growth, monitor the use of open space and keep a lid on spending; the second is his vision of a year-round recreation program, which would extend beyond sports activities to embrace involvement with the arts and the environment; the third, he says, is the "enhancement of social services," to benefit both "seniors and any other groups or individuals in need."

"The town spoke as one (on election day)," says Lemoine. "They're saying it's time to move forward—it's time for us to come together to create our own destiny. I think that's what this election was about."

Lemoine, who has been at UMass Lowell since 1976, began as a custodian in the Physical Plant. In his current post, he is responsible for all health and safety concerns on campus, as well as (see related story) compliance with local, state and national health standards.

For over 100 years, UMass Lowell has been making a positive difference in the region, through the education, research, and outreach of the institution. The many people who work on the campus also make a positive difference in the University community, as shown in this series, "UMass Lowell in the Community."



The Doctors Fawcett Honored by Biological Sciences Department

▲ Two alumni of the Biological Sciences Department, who also happen to be married to each other, were honored at the recent annual Biological Sciences Award Ceremony as Alumni of the Year. Dr. Paul T. Fawcett and Dr. Lynda Fawcett, second and fourth from left, are distinguished researchers at DuPont de Nemours Childrens Hospital in Bethesda, Md. With them are Prof. Robert Lynch, left, chair, Prof. Susan Braunhut and Dean Robert Tamarin, Division of Sciences, College of Arts and Sciences.

Author Says You Can't Dodge the Re-Draft

Jill McCorkle, the Jack Kerouac Writer-in-Residence in the English Department, recently described the process of writing as like "digging for water. To get to it, you have to go through all these layers. Revision is where the real art is. The first draft is just for me."

McCorkle presented a reading from her collection of short stories, "Creatures of Habit," to an audience of 75 students and faculty at a recent Salon, a faculty colloquium series in the College of Arts and Sciences. She responded to several questions about what she draws on for her material.

"You have this reel to reel movie—starring you—that you play in your head every day. That becomes part of your experience, there's an emotional truth there," McCorkle says.



▲ Author Jill McCorkle, this year's Jack Kerouac Writer-In-Residence, accepts well wishes from Prof. Bill Roberts, chair of English, at the department's awards dinner.

As the writer-in-residence, the author spent this spring teaching an undergraduate section of Creative Writing in Fiction and presenting public readings of her work. The writer-in-residence program is made possible by a contribution from John Sampas, executor of the Kerouac Literary Estate.

Doctoral Student Named as Member of National Board

Mark Griffon, a doctoral student in Work Environment and president of an environmental consulting firm, has been named by President Bush to serve on a board that will advise the government on issues of worker health.

Griffon, president of Creative Pollution Solutions in Salem, NH, has been named as a new member of the Advisory Board on Radiation and Worker Health, which will counsel the federal government on matters related to the Energy Employees Occupational Illness Compensation Program Act of 2000. The act provides compensation and medical benefits to workers made ill as a result of jobs in nuclear weapons production and testing, as well as benefits to the survivors of workers who die as a result of such work.

Griffon, who describes the role of the Board as one of quality assurance, is director of the Department of Energy's Medical Surveillance Research Program for the Gaseous Diffusion Plant Exposure Assessment. He serves also as an advisor to a UMass Lowell technical-assistance program, based out of the Work Environment Department, that offers worker training to members of the Paper, Allied-Industrial, Chemical and Energy Workers International Union (PACE). He completed an appointment last December as a member of the Advisory Committee for the U.S. Transuranium and Uranium Registries.

Research Notes

Archibald, Diana
\$10,000
CITA
Dickens Conference

Barry, Carol
\$388,893
National Science Foundation
Interface Effects in High Volume Nanoscale Processing of Polymers

Barry, Eugene
\$72,000
Konarka Technologies, Inc.
Research Projects in Collaboration with the University of Massachusetts Lowell

Blumstein, Alexandre
\$24,900
Department of the Army
Gas Barrier Layers Using Aluminosilicate Platelets Deposited by Ionic Self Assembly

Boccia, Judith
\$21,000
US Department of Education
Ready to Teach

Brown, Gilbert
\$14,000
National Academy for Nuclear Training
NANT Fellowship

Buzawa, Eve
\$100,000
Massachusetts Criminal Justice Training Program
Massachusetts Criminal Justice Training Program

Chen, Julie
\$388,893
National Science Foundation
Interface Effects in High Volume Nanoscale Processing of Polymers

Gibson, Joyce
\$45,630
City of Lowell
21st Century Community Learning Centers Evaluation Scope of Services for Project MCAS.net

Kumar, Jayant
\$24,900
Department of the Army
Gas Barrier Layers Using Aluminosilicate Platelets Deposited by Ionic Self Assembly

Lynch, Robert
\$106,454
Solidago S.r.l.
Fermentation Strain and Process Improvement (Amendment No.7)

McCarthy, Stephen
\$5,000
Konarka Technologies, Inc.
Access to UML analytical equipment and laboratory tools to support the development of its technology

Mead, Joey
\$388,893
National Science Foundation
Interface Effects in High Volume Nanoscale Processing of Polymers

O'Connell, Peter
\$28,016
The City of Lowell
The Creation of a Nation 1750-1850: Two American Revolutions-Grades 3-5

Ossen, Vera
\$21,000
US Department of Education
Ready to Teach

Reinisch, Bodo
\$5,920
Institut Royal Meteorologique
Inspection and Consultation Digisonde

Reinisch, Bodo
\$8,543
Department of the Air Force
Electrodynamics of the Ionosphere by Digital Ionosondes and Other HF Techniques

Reinisch, Bodo
\$570,394
NASA
Digital Radio-Frequency Plasma Wave Instruments for Multiple Satellite Missions

Sales, Gary
\$8,543
Department of the Air Force
Electrodynamics of the Ionosphere by Digital Ionosondes and Other HF Techniques

Silka, Linda
\$45,630
City of Lowell
21st Century Community Learning Centers Evaluation Scope of Services for Project MCAS.net

Slatin, Craig
\$17,000
U.S. Environmental Protection Agency
24 Hr. Basic Health and Safety Emergency Response Course for New England Tribes

Song, Paul
\$570,394
NASA
Digital Radio-Frequency Plasma Wave Instruments for Multiple Satellite Missions

Sung, Changmo
\$388,893
National Science Foundation
Interface Effects in High Volume Nanoscale Processing of Polymers

Sung, Changmo
\$35,000
Korea Institute of Machinery and Materials
Nancharacterization of c-BN Films and Understanding Formation Mechanisms for Commercial Applications

Testorf, Markus
\$51,021
Air Force Research Lab/SNHC
Wide Area Surveillance for the Location and Identification of Hidden Vehicles

Calendar of Events

Wednesday, May 29

Training, 8-hour emergency responder refresher, 8 a.m. to 5 p.m., Wannalancit Mill. For more information or to register, call ext. 3257. Sponsored by the New England Consortium.

Sunday, June 2

Commencement, UMass Lowell Commencement, 10 a.m., Tsongas Arena.

Monday, June 3

Training, 40-hour hazardous waste site worker training, 8 a.m. to 5 p.m., Wannalancit Mill. Continues through June 7. For more information or to register, call ext. 3257. Sponsored by the New England Consortium.

Tuesday, June 4

Seminar, "Developing and Designing an On-line Learning-Centered Syllabus," a Faculty Institute presented by the Faculty Teaching Center. For information, go to www.uml.edu/centers/ftc.

Wednesday, June 5

Conference, Massachusetts Education Computing Conference, continuing through June 7 at Cape Cod Community College. The Faculty Development/Teaching with Technology Task Force of the Center for Teaching Learning and Research as Scholarship will pay the registration fee for 25 UMass Lowell faculty and staff. For information, go to the MECC Web site: www.cite.mass.edu/mecc. To register through the Task Force, call Pamela Kenyon, ext. 2936.

Seminar, "Preparing for PMYR," a Faculty Institute presented by the Faculty Teaching Center. For information, go to www.uml.edu/centers/ftc.

Thursday, June 6

Seminar, "Developing and Designing an On-line Learning-Centered Syllabus," a Faculty Institute presented by the Faculty Teaching Center. For information, go to www.uml.edu/centers/ftc.

Friday, June 7

Seminar, "Preparing for PMYR," a Faculty Institute presented by the Faculty Teaching Center. For information, go to www.uml.edu/centers/ftc.

Monday, June 10

Seminar, "Preparing for PMYR," a Faculty Institute presented by the Faculty Teaching Center. For information, go to www.uml.edu/centers/ftc.

Tuesday, June 11

Seminar, "Developing and Designing an On-line Learning-Centered Syllabus," a Faculty Institute presented by the Faculty Teaching Center. For information, go to www.uml.edu/centers/ftc.

Wednesday, June 12

Training, 8-hour hazardous waste site worker training, 8 a.m. to 5 p.m., Wannalancit Mill. For more information or to register, call ext. 3257. Sponsored by the New England Consortium.

Seminar, "The Promotion and Tenure Process," a Faculty Institute presented by the Faculty Teaching Center. For information, go to www.uml.edu/centers/ftc.

Farewell Party, Farewell to Lorraine Woods, open house, 10 a.m. to 2 p.m., Graduate School Conference Room, Falmouth 311, North Campus.

Thursday, June 13

Seminar, "Enhancing Deep Learning Through On-line Communication," a Faculty Institute presented by the Faculty Teaching Center. For information, go to www.uml.edu/centers/ftc.

Friday, June 14

Seminar, "The Promotion and Tenure Process," a Faculty Institute presented by the Faculty Teaching Center. For information, go to www.uml.edu/centers/ftc.

Monday, June 17

Seminar, "Enhancing Deep Learning Through On-line Communication," a Faculty Institute presented by the Faculty Teaching Center. For information, go to www.uml.edu/centers/ftc.

Tuesday, June 18

Seminar, "The Promotion and Tenure Process," a Faculty Institute presented by the Faculty Teaching Center. For information, go to www.uml.edu/centers/ftc.

Training, 8-hour emergency responder, 8 a.m. to 5 p.m., Wannalancit Mill. For more information or to register, call ext. 3257. Sponsored by the New England Consortium.

Wednesday, June 19

Seminar, "Enhancing Deep Learning Through On-line Communication," a Faculty Institute presented by the Faculty Teaching Center. For information, go to www.uml.edu/centers/ftc.

Sunday, June 23

Summer Education, The High School Scholars Program, a four-day session of projects and classes in art and design, mathematics, robotics, and other fields, for high school students, June 23-27, at UMass Lowell. For information or an application, contact the UMass Lowell Office of Enrollment Management, (978) 934-3700, or go to www.uml.edu/admissions/hsscholars.



Performance Award Recipients Recognized

▲ Five UMass Lowell employees who have been chosen by their peers to receive Performance Recognition Awards were recognized at the University's annual Retirement Celebration luncheon. They are, from left, M.J. Mastrovich of Athletics, Richard Dube of Central Receiving, Melissa Mullen of the University Police, Michele Pagliarulo of Administrative Computing and Maria Mendonca of Physical Plant. Human Resources Director Jack Giarusso, far right, presented the employees with certificates of recognition. The sixth award winner, Patricia Dubois of the Registrar's Office, was not present. The award recognizes employees who set high standards for themselves and serve as examples of superior performance.

Outstanding Researcher Congratulated



◀ English Prof. Andrea Corbett, center, is congratulated by Mary Beaudry, left, director of the Faculty Teaching Center, and Prof. Alease Bruce of Clinical Laboratory Sciences, for her recognition by the Carnegie Task Force as an Outstanding Researcher in the Scholarship of Teaching and Learning Project. Corbett, a pioneer in the project

and a member of the Task Force since its inception in 1998, will be retiring from her full-time post this June.

Did you know...

That Patricia Goler was the first African American Ph.D. hired in the Massachusetts state college system?

For Extra Credit...

What university did Patricia Goler work for?

Dr. Goler became chair of the History Department and Dean of Liberal Arts at UMass Lowell's predecessor, Lowell State College, in 1957.



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